

Comparisons of Job Characteristics

Focus Occupation: **Statistical Assistants (43-9111)**

Associated Occupation: **Actuaries (15-2011)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Statistical Assistants (43-9111)

Associated Occupation: Actuaries (15-2011)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|----|---|
| Mathematics | 9.2 | 24.8 | 17.6 | << | Extensive education and/or training may be required |
| Economics and Accounting | 4.4 | 17.1 | 5.2 | << | Extensive education and/or training may be required |
| Computers and Electronics | 8.4 | 15.9 | 15.2 | 0 | Current knowledge level may be sufficient |
| Administration and Management | 8.4 | 12.3 | 9.4 | << | Extensive education and/or training may be required |
| Law and Government | 5.9 | 10.8 | 5.2 | << | Extensive education and/or training may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 77

Focus Occupation: Statistical Assistants (43-9111)

Associated Occupation: Actuaries (15-2011)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|----|--|
| Mathematics | 6.2 | 17.2 | 17.3 | 0 | Current skill level may be sufficient |
| Critical Thinking | 10.8 | 16.4 | 12.6 | << | Extensive development of skills in this area may be required |
| Judgment and Decision Making | 9.4 | 16.4 | 9.2 | << | Extensive development of skills in this area may be required |
| Complex Problem Solving | 9.1 | 14.8 | 10.8 | << | Extensive development of skills in this area may be required |
| Systems Analysis | 6.5 | 14.4 | 6.1 | << | Extensive development of skills in this area may be required |

| | | | | | |
|-----------------------------------|-----|------|------|----|--|
| Systems Evaluation | 6.4 | 14.4 | 7.1 | << | Extensive development of skills in this area may be required |
| Management of Financial Resources | 3.3 | 10.3 | 1.0 | << | Extensive development of skills in this area may be required |
| Operations Analysis | 5.0 | 10.1 | 3.2 | << | Extensive development of skills in this area may be required |
| Programming | 2.2 | 6.7 | 11.2 | >> | Skill level is likely more than sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Abilities | | Similarity of Focus Occupation to Associated Occupation: 96 | | | |
|--|---------------------------------|---|---------------------------|--------------------------------|--|
| Focus Occupation: Statistical Assistants (43-9111) Associated Occupation: Actuaries (15-2011) | | | | | |
| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
| Mathematical Reasoning | 6.3 | 17.3 | 17.8 | 0 | Current ability level may be sufficient |
| Number Facility | 6.3 | 17.0 | 16.2 | 0 | Current ability level may be sufficient |
| Deductive Reasoning | 10.6 | 15.5 | 11.6 | << | Extensive improvement in abilities may be required |
| Written Comprehension | 11.0 | 15.2 | 11.8 | << | Extensive improvement in abilities may be required |
| Inductive Reasoning | 10.2 | 14.5 | 10.6 | << | Extensive improvement in abilities may be required |
| Near Vision | 11.1 | 14.1 | 13.2 | 0 | Current ability level may be sufficient |
| Information Ordering | 9.9 | 12.6 | 11.5 | 0 | Current ability level may be sufficient |
| Category Flexibility | 9.0 | 12.0 | 11.5 | 0 | Current ability level may be sufficient |
| Selective Attention | 8.7 | 11.1 | 10.1 | 0 | Current ability level may be sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common | | Similarity of Focus Occupation to Associated Occupation: 73 |
|--|-------------------------|---|
| Focus Occupation: Statistical Assistants (43-9111) Associated Occupation: Actuaries (15-2011) | | |
| Work Activities | Exclusivity of Activity | |
| Collect statistical data | 47 | |
| Compile numerical or statistical data | 38 | |
| Create mathematical or statistical diagrams or charts | 43 | |
| Prepare reports | 8 | |
| Use computers to enter, access or retrieve data | 3 | |
| Use relational database software | 26 | |
| Use spreadsheet software | 18 | |
| Use word processing or desktop publishing software | 17 | |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 89

Focus Occupation: Statistical Assistants (43-9111)
Associated Occupation: Actuaries (15-2011)

| Tools and Technologies | Exclusivity |
|--|-------------|
| Business function specific software | 1 |
| Calculating machines and accessories | 3 |
| Computers | 1 |
| Content authoring and editing software | 1 |
| Data management and query software | 1 |
| Development software | 4 |
| Finance accounting and enterprise resource planning ERP software | 2 |
| Industry specific software | 1 |
| Information exchange software | 1 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.